

You must contact the Pretreatment Staff at 529-9900 before installing any meters, as they are subject to approval by the Director of the Water & Sewer Department. Meter readings must be sent to the Water & Sewer Department on a monthly basis for billing purposes.

### REMEDIAL GROUNDWATER DISCHARGE PROGRAM

Some facilities have contaminated groundwater which must be treated and discharged. The City prefers that these businesses seek other alternatives that the sanitary sewer to discharge the ground water. However, as a temporary measure, the City may accept the treated ground water if it meets Pretreatment Discharge Standards and capacity is available in the sanitary sewer. The discharge period is limited to a maximum five year term with annual permit renewals required. The business is required to monitor the discharge to assure that it meets pretreatment requirements. For a permit application, permit monitoring and fee requirements, contact the Pretreatment Office at 529-9900.

### STORM WATER PROGRAM

Non storm water discharges to the City's storm water drainage system are prohibited without a permit. The City maintains a storm water program that includes storm water sampling. A pollution prevention program for businesses and enforcement of illicit discharges.

### GREASE TRAP REQUIREMENTS

In 1994, the City implemented a Grease Trap Ordinance that requires all food establishments which meet specific criteria to install grease interceptors on their sewer line. New restaurants must install grease interceptors which are sized so that grease is not discharged in quantities which may negatively impact the sanitary sewer system. Existing restaurants without grease interceptors will be required to pay a monthly user fee. If they are found to be causing grease problems. In the sanitary sewer collection system, they will be required to install a grease interceptor. Maintenance and upkeep of the interceptor will be required, as well as proper disposal of the waste collected in the interceptor.

### ORDINANCE INFORMATION

If you have any questions regarding the above program, or would like copies of the City Ordinances which pertain to the programs, please call or write the Pretreatment Office at:

Pretreatment Administrator  
Wichita Water & Sewer Department  
2305 E. 57th Street South  
Wichita, Kansas 67216  
Phone: 316-529-9900

303-8703

## REGULATORY PRETREATMENT INFORMATION



PRETREATMENT PROGRAM

WICHITA WATER & SEWER DEPARTMENT

WICHITA, KANSAS

As part of Wichita's NPDES Permit to discharge treated sewage to the Arkansas River, the City is required by the U.S. Environmental Protection Agency to implement and enforce the Federal Pretreatment Regulations, which include pollutant discharge standards for categorical industries (e.g. Metal Finishing, Foundries, Circuit Board Manufacturers, Oil Refineries), as well as general regulations for all Significant Industrial Users (SIU).

The City regulates all local industries which discharge pollutants into the sanitary sewer that may cause any interference or damage to the municipal sewage conveyance and treatment system, or cause the City's sewage treatment plant to violate its NPDES Permit limitations.

These requirements place the City in the position of being a service provider and a regulator. The Water & Sewer Department strives to perform both duties well, by providing excellent water and sewer service to its customers and by enforcing all Pretreatment Regulations in a fair and equitable manner.

To determine if your industrial process needs to be regulated by the City, first determine if the industry qualifies as a Significant Industrial User. If the industry meets the SIU criteria, then it must be issued an Industrial Wastewater Discharge permit by the City. The Permit will contain conditions and requirements the industry must meet to maintain compliance with all Federal, State and local Pretreatment Regulations.

#### GENERAL SIU CRITERIA IS AS FOLLOWS:

- \* The industry discharges at least 25,000 gallons per day of wastewater to the sanitary sewer.

- \* The industrial process is identified as one of the Federal Pretreatment Categorical Industries. For a list of categorical industries, contact the Pretreatment Office at 529-9900.

- \* The industry discharges a pollutant which could cause interference or damage to the Publicly Owned Treatment Works (POTW) or negatively impacts the receiving waters upon discharge or biosolids disposal requirements.

- \* The industry discharges a waste stream which the Director of the Water & Sewer Department has reasonably determined requires issuance of an Industrial Wastewater Discharge Permit.

All SIU's permitted by the City are subject to a permit fee which is based on the industrial wastewater daily flow rates. Your best course of action is to contact the City's Pretreatment Office at 529-9900, and let them help you evaluate your need for a permit.

303-8100

### EXTRA STRENGTH SEWAGE BILLING PROGRAM

In addition to the Pretreatment Regulations, the City also has a sewage surcharge program called the Extra Strength Program. If the industry discharges waste which contains high concentrations of treatable pollutants, the industry is sampled and billed on a monthly basis for the treatment of this "extra strength" waste. This assures that the treatment and disposal costs associated with wastewater with conventional pollutant concentration higher than residential wastes, will be paid for by the industry rather than the residential customer. Conventional pollutants billed by the Water & Sewer Department are:

- \* Biochemical Oxygen Demand (BOD @ \$0.0899/lb.)

- \* Total Suspended Solids (TSS @ \$0.0539)

- \* Oil and Grease (O&G @ \$1.0597/lb)

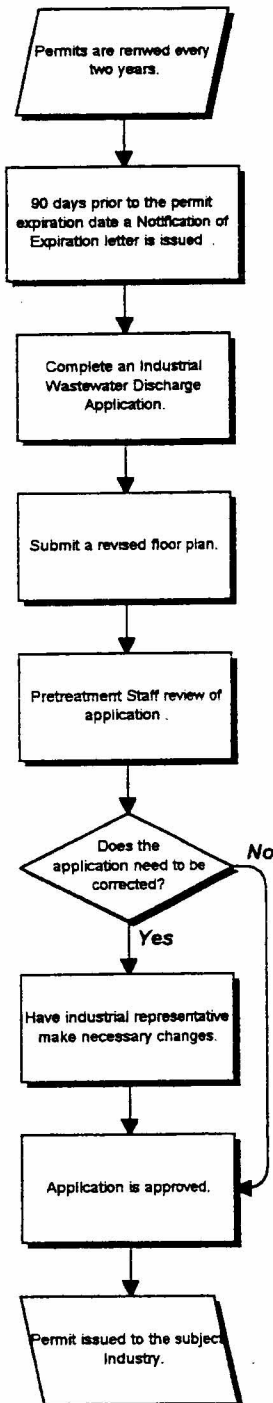
These rates are 1998, inside the City, and are assessed per pound per month based on the volume discharged and the analytical results of the samples collected during the monthly billing cycle. Outside the City, the rates are approximately 65% higher.

### SEWER SERVICE USAGE AND BILLING

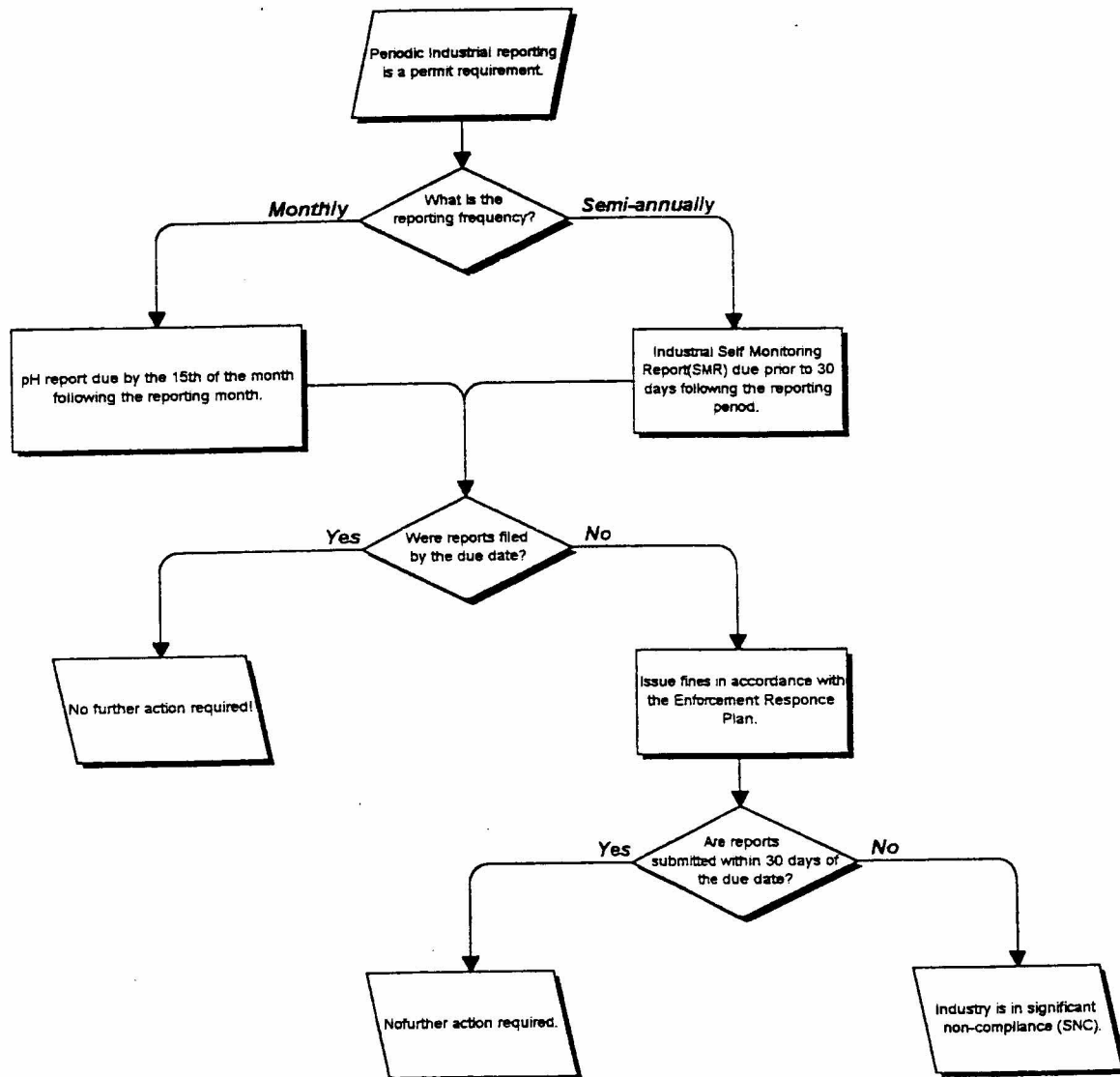
Your monthly sewer usage charge is based on the amount of City water consumed during the billing cycle. The rate per 1,000 gallons discharged per month is \$1.23 for inside the City customers and \$1.89 for outside the City customers. However, if the industry supplements its City water usage with well water and discharges the total to the sanitary sewer, then the industry must either meter the well water consumed or install a totalizing meter at the point of wastewater discharge into the City sewage collection system.

Many industries discharge less water that is consumed, as a result of water being used in the product (e.g. commercial bakeries, soft drink manufacturers, concrete companies), or water evaporated during operations (e.g. boilers, cooling towers). In order to receive credit on the sewer bill, the industry must either meter the water which is not being discharged or install a totalizing meter at the point of wastewater discharge into the City's sanitary sewer system.

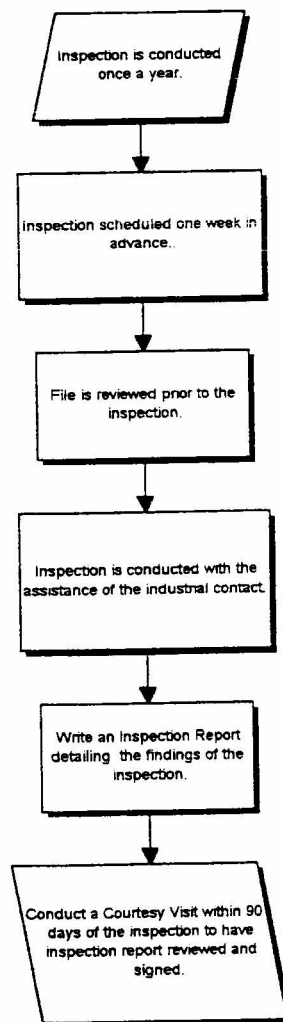
# BI-ANNUAL PERMIT RENEWAL



# INDUSTRIAL REPORTING REQUIREMENTS



# ANNUAL INSPECTION



WICHITA WATER & SEWER DEPARTMENT									
Local Limits Allocation - Daily Maximum Limits									
Industrial Category:	I	II	III	IV	V	VI	VII	VIII	
Kgal/day	0-10,000	10-20,000	20-30,000	30-60,000	60-100,000	100-200,000	200-500,000	>500,000	
Total SIUs* /Category	21	4	5	12	1	3	6	1	
Total Flow/Category (MGD*)	0.07	0.05	0.13	0.45	0.09	0.48	2.1	1.9	
Percent Total SIUS	40%	8%	9%	23%	2%	6%	11%	2%	
Daily Max	1.33%	0.95%	2.47%	8.54%	1.71%	9.11%	39.85%	36.05%	
Parameter:	Pounds	Maximum Conc.	Maximum Conc.	Maximum Conc.	Maximum Conc.	Maximum Conc.	Maximum Conc.	Maximum Conc.	
		Per Day - mg/L	Per Day - mg/L	Per Day - mg/L	Per Day - mg/L	Per Day - mg/L	Per Day - mg/L	Per Day - mg/L	
Silver	38.5	3.66	5.13	1.97	1.71	8.55	1.60	0.37	0.40
Arsenic	2.24	0.21	0.30	0.11	0.10	0.50	0.09	0.02	0.02
Cadmium	9.54	0.91	1.27	0.49	0.42	2.12	0.40	0.09	0.10
Cyanide	9.8	0.93	1.31	0.50	0.44	2.18	0.41	0.09	0.10
Chromium	35.2	3.35	4.69	1.80	1.56	7.82	1.47	0.33	0.37
Copper	19.6	1.87	2.61	1.00	0.87	4.35	0.82	0.19	0.21
Mercury	0.007	0.0007	0.0009	0.0004	0.0003	0.0016	0.0003	0.0001	0.00007
Nickel	87.34	8.31	11.64	4.48	3.88	19.39	3.64	0.83	0.92
Lead	59.9	5.70	7.98	3.07	2.66	13.30	2.49	0.57	0.63
Zinc	352	33.50	46.90	18.04	15.63	78.16	14.65	3.35	3.70